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PHOTOGRAPHIC INTERPRETATION REPORT

NPIC/R-43/63 March 1963

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MISSION COVERAGE INDEX MISSION 3210 3 JANUARY 1963







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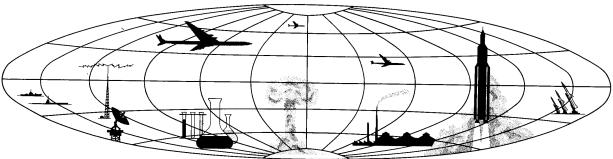


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PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX MISSION 3210 3 JANUARY 1963

NPIC/R-43/63 March 1963

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NPIC/R-43/63

PREFACE

This Mission Coverage Index (MCI) furnishes a listing of items of intelligence interest covered by aerial photography from TALENT Mission 3210, dated 3 January The photographic quality of Mission 3210 was generally good to excellent. A total malfunction of the third right (far right oblique) position occurred starting with exposure 343 and continuing to the end of the mission. Photography from Camera One (tracker camera) was scanned in the area of malfunction; however, no items of interest or any unusual activity were noted.

Major items of interest on this mission include identification of an airfield at Ho-tien, China, defense positions along the Sino-Indian Border in the Chushul area and the Galwan River valley, and a new landing strip in the Chushul area.

Items in this listing are arranged by country and within the country by WAC Items are arranged within a WAC by coordinates reading from south to north and from west to east. An explanation of column headings and photo reference data used in presenting the information is contained in the appendix.

For convenience of the user, a subject index to the intelligence targets has been included following the listing. Targets in the subject index are listed (1) by category, (2) alphabetically by country within the category, and (3) alphabetically by place name within each country.

The user of this MCI is cautioned that the scan of photography from Mission 3210 was accomplished in a relatively short time and often without the aid of precise analytical and mensural equipment commonly employed in detailed photographic analysis. Consequently, although this information is essentially accurate, future detailed analysis may somewhat alter portions of the information. It should also be noted that some of the maps used in the readout of this area are of poor to fair reliability, resulting in some variations in names and locations.

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-CHINA- DASH - POLUR CARAVAN ROUTE ROUTE COVERED FROM DASH TO POLUR (36-12N Ø81-3ØE), A DISTANCE OF APPROXIMATELY 15 NM. THIS ROUTE HAS CONSIDERABLE TRACK ACTIVITY, PRESUMABLY AS A RESULT OF ANIMALS MOVING IN A SOUTHERLY DIRECTION. D SOMCUL AREA MILITARY AREA		City, Installation	Coordinates	WAC	Installatio	on Numbers
DASH - POLUR CARAVAN ROUTE ROUTE COVERED FROM DASH TO POLUR (36-12N #81-30E), A DISTANCE OF APPROXIMATELY 15 NM. THIS ROUTE HAS CONSIDERABLE TRACK ACTIVITY, PRESUMABLY AS A RESULT OF ANIMALS MOVING IN A SOUTHERLY DIRECTION. 1D SOMGUL AREA, MILITARY AREA APPROXIMATELY 3 NM SOUTH OF SOMGUL. AREA INCLUDES COMPOUND OF 5 BARRACKS AND 15-20 SUPPORT-TYPE BUILDINGS SURROUNDED BY A WALL, 10 TENTS, THREE 4-GUN AUTOMATIC WEAPONS POSITIONS, TWO 3-GUN AUTOMATIC WEAPONS POSITIONS, TWO 3-GUN AUTOMATIC WEAPONS POSITIONS, SEVERAL OPEN STORAGE AREAS NOTED. CONSIDERABLE TRACK ACTIVITY OBSERVED. AREA SERVED BY TWO-LANE ROAD, PROBABLY GRAVEL SURFACEO. (MAP REFERENCE WAC 335, 4TH ED, 1957.) HO-TIEN AIRFIELD AIRFIELD LOCATED APPROXIMATELY 7 NM SSW OF TOWN AT 37-01N #79-52E. NATURAL SURFACE ESE/WNW RUNWAY IS AN ESTIMATED 4,0#08 X 20% FT. FACILITIES INCLUDE AN OPERATIONS BUILDING WITH A CONTROL TOWER, AN ADMINISTRATION BUILDING. 6 LARGE AND APPROXIMATELY 6 SMALL ASSOCIATED BUILDINGS AND A POSSIBLE WALLED MOTOR POOL OR EQUIPMENT STORAGE COMPOUND.	f		Coordinates	WAC	BE	NPIC
APPROXIMATELY 3 NM SOUTH OF SOMGUL. AREA INCLUDES COMPOUND OF 5 BARRACKS AND 15-20 SUPPORT-TYPE BUILDINGS SURROUNDED BY A WALL, 10 TENTS, THREE 4-GUN AUTOMATIC WEAPONS POSITIONS, TWO 3-GUN AUTOMATIC WEAPONS POSITION. SEVERAL OPEN STORAGE AREAS NOTED. CONSIDERABLE TRACK ACTIVITY OBSERVED. AREA SERVED BY TWO-LANE ROAD, PROBABLY GRAVEL SURFACED. (MAP REFERENCE WAC 335, 4TH ED, 1957.) HO-TIEN AIRFIELD AIRFIELD LOCATED APPROXIMATELY 7 NM SSW OF TOWN AT 37-01N 079-52E. NATURAL SURFACE ESE/WNW RUNWAY IS AN ESTIMATED 4,000 X 200 FT. FACILITIES INCLUDE AN OPERATIONS BUILDING WITH A CONTROL TOWER, AN ADMINISTRATION BUILDING, TWO REPAIR OR MAINTENANCE BUILDINGS, 6 LARGE AND APPROXIMATELY 6 SMALL ASSOCIATED BUILDINGS AND A POSSIBLE WALLED MOTOR POOL OR EQUIPMENT STORAGE COMPOUND.	(1)	DASH - POLUR CARAVAN ROUTE ROUTE COVERED FROM DASH TO POLUR (36-12N Ø81-3ØE), A DISTANCE OF APPROXIMATELY 15 NM. THIS ROUTE HAS CONSIDERABLE TRACK ACTIVITY, PRESUMABLY AS A RESULT OF ANIMALS MOVING IN A SOUTHERLY DIRECTION.	3622N Ø8122E	Ø334 <u> </u>		
HO-TIEN AIRFIELD AIRFIELD LOCATED APPROXIMATELY 7 NM SSW OF TOWN AT 37-Ø1N Ø79-52E. NATURAL SURFACE ESE/WNW RUNWAY IS AN ESTIMATED 4,000 X 200 FT. FACILITIES INCLUDE AN OPERATIONS BUILDING WITH A CONTROL TOWER, AN ADMINISTRATION BUILDING, TWO REPAIR OR MAINTENANCE BUILDINGS, 6 LARGE AND APPROXIMATELY 6 SMALL ASSOCIATED BUILDINGS AND A POSSIBLE WALLED MOTOR POOL OR EQUIPMENT STORAGE COMPOUND.		APPROXIMATELY 3 NM SOUTH OF SOMGUL. AREA INCLUDES COMPOUND OF 5 BARRACKS AND 15-2Ø SUPPORT-TYPE BUILDINGS SURROUNDED BY A WALL, 1Ø TENTS, THREE 4-GUN AUTOMATIC WEAPONS POSITIONS, TWO 3-GUN AUTOMATIC WEAPONS POSITIONS, AND ONE 2-GUN AUTOMATIC WEAPONS POSITION. SEVERAL OPEN STORAGE AREAS NOTED. CONSIDERABLE TRACK ACTIVITY OBSERVED. AREA SERVED BY TWO-LANE ROAD, PROBABLY GRAVEL SURFACED. (MAP REFERENCE WAC 335, 4TH	3612N Ø7845E	Ø335		14.
		AIRFIELD LOCATED APPROXIMATELY 7 NM SSW OF TOWN AT 37-Ø1N Ø79-52E. NATURAL SURFACE ESE/WNW RUNWAY IS AN ESTIMATED 4,000 X 200 FT. FACILITIES INCLUDE AN OPERATIONS BUILDING WITH A CONTROL TOWER, AN ADMINISTRATION BUILDING, TWO REPAIR OR MAINTENANCE BUILDINGS, 6 LARGE AND APPROXIMATELY 6 SMALL ASSOCIATED BUILDINGS AND A POSSIBLE WALLED MOTOR POOL OR EQUIPMENT STORAGE COMPOUND.	3701N 07952E			1

25X1 TOP SECRET Installation Numbers Coordinates City, Installation 25X1A HO-TIEN COMPLEX 37Ø5N Ø7955E 1-A CONTAINS 3 PROBABLE MILITARY AREAS, LIGHT INDUSTRY, ADMINISTRATIVE AREAS AND STORAGE AREAS. A TEMPORARY BRIDGE SPANS THE YURUNG KASH (RIVER) AT THE SE EDGE OF TOWN. NO POL OR AMMUNITION STORAGE AREAS OBSERVED. COMPLEX AREA IS ROAD SERVED ONLY. COMPLEX IS APPROXIMATELY 9 SQ MILES IN AREA. 25X1D 3555N Ø7917E HAJI LANGAR AREA, MILITARY AREA Ø432 22 AREA IS LOCATED IN CHINA APPROXIMATELY 12 NM NW OF HAJI LANGAR. (REPORTED AS ABOUL GHAFUR LANGAR IN SITUATION SUMMARY FOR MISSION 3210.) APPROXIMATELY 21 BUILDINGS AND APPROXIMATELY 7 TRUCKS WERE OBSERVED. THE AREA IS SERVED BY A PROBABLY 2-LANE, GRAVEL SURFACED ROAD. CONSIDERABLE TRACK ACTIVITY IN THE AREA. A PROBABLE STORAGE AREA WITH APPROXIMATELY 9 SMALL BUILDINGS: IS LOCATED AT THE BASE OF HILLS ADJACENT TO MILITARY AREA. (FOUR TANKS AND FIVE ADDITIONAL VEHICLES WERE REPORTED ERRONEOUSLY IN THE SITUATION SUMMARY FOR MISSION 3210. THESE ARE BUILDINGS, PROBABLY USED FOR STORAGE). 25X1D -INDIA-KOYUL AREA, MILITARY BARRACKS 3252N Ø7917E Ø432 20-A 3 NM ESE OF KOYUL. CONSISTS OF 2 H-SHAPED BARRACKS, ONE E-SHAPED BARRACK, AND ONE L-SHAPED BARRACK, APPROXIMATELY 15 SMALLER BUILDINGS AND 18 SMALL EXCAVATIONS FOR BUILDINGS OR STORAGE.

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- 1	City, Installation	Coordi	inates	l wac l	Installati	ion Numbers
				WAC .	BE	NPIC
(1D	REVETTED STORAGE AREA, POSSIBLY FOR EXPLOSIVES, IS NORTH OF H-SHAPED BARRACKS AND A FIRING RANGE IS NORTH OF BARRACKS AREA. NUMEROUS SLIT TRENCHES OBSERVED. (MAP REFERENCE WAC 432, AMS SERIES 1301 NI-44.) KOYUL AREA, AIRFIELD 3 NM EAST OF KOYUL. APPROXIMATELY 10,000 X 180 FT NW/SE EARTH RUNWAY, DELINEATED BY MARKERS, IS SERVICEABLE. FACILITIES INCLUDE SIX SUPPORT BUILDINGS, AND POL STORAGE (3 OPEN PITS WITH 2 TANKS IN EACH). OPEN STORAGE OBSERVED AT AIRFIELD AND AT BASE OF HILL IMMEDIATELY WEST OF AIRFIELD. POSSIBLE AMMUNITION STORAGE (3 REVETTED BUILDINGS) IS ALSO AT BASE OF HILL TO THE WEST. AT LEAST EIGHT GUN POSITIONS AND NUMEROUS HUTS ON TOP OF HILL TO THE WEST. FOUR	3255N	Ø7916E	Ø432		20
(10	VANS ARE IN THE AREA. AIRCRAFT NONE OBSERVED. CHUSHUL AREA, MILITARY INSTALLATIONS 28 NM SSE OF CHUSHUL BETWEEN 33-12N Ø78-57E AND 33-11N Ø78-41E. SEVEN MILITARY AREAS ARE SITUATED ON BOTH THE NORTH AND SOUTH BANKS OF THE INDUS RIVER. THEY INCLUDE ONE BARRACKS AREA AND NUMEROUS GUN POSITIONS, TRENCHES AND OPEN STORAGE. (FOR COMPLETE DESCRIPTION, A DETAILED REPORT WILL FOLLOW.) (MAP REFERENCE AMS SERIES 13Ø1, SHEET NI-44.)	3312N	Ø7857E	0432		21-G

				WAC -		on Numbers
	City, Installation	Coord	linates	WAC	BE	NPIC
D	CHUSHUL AREA, MILITARY STRONGPOINT 11 NM SE OF CHUSHUL. THIS MILITARY STRONGPOINT INCLUDES A SERIES OF TRENCHES, UNDOCCUPIED GUN POSITIONS, AN ENCAMPMENT, FIRING POSITIONS, STORAGE FACILITIES, AND NUMEROUS SMALL BUILDINGS. TWO VEHICLES ARE OBSERVED IN THE AREA. (FOR COMPLETE DESCRIPTION, A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE AMS SERIES 13Ø1 SHEET NI-44.)	3327N	Ø7846E	Ø432		21-0
	CHUSHUL AREA, MILITARY STRONGPOINT 12 NM SE OF CHUSHUL. THIS PARTIALLY—FENCED MILITARY STRONGPOINT INCLUDES A TRENCH SYSTEM, NUMEROUS FIRING POSITIONS AND FOXHOLES, GUN POSITIONS, 2 PROBABLE PILL BOXES, AMMUNITION STORAGE BUNKERS AND SUPPORT BUILDINGS. (FOR COMPLETE DESCRIPTION, A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE AMS SERIES 1301 SHEET NI-44.)	3329N	Ø7853E	Ø432		21-0
D	CHUSHUL AREA, AIRFIELD 4.5 NM SE OF CHUSHUL. SERVICEABLE NW/SE BLACKTOP RUNWAY, 5,500 X APPROXIMATELY 100 FT, WITH 2,600 FT OVERRUN TO NW AND 1,400 FT OVERRUN TO SE. FACILITIES INCLUDE AN OCCUPIED, COVERED 4-GUN POSITION, 2 OPEN PITS WITH 3 POL TANKS IN EACH, A NAVIGATIONAL AID, A TOWER, 5 QUONSET HUTS, EXTENSIVE QUANTITIES OF OPEN STORAGE, AND AT	3334N	Ø7844E	Ø432		21

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•	City, Installation	Coordinates	WAC	Installati	on Numbers
				BE	NPIC
25X1D	H-SHAPED, 2 U-SHAPED, AND 3 ADDITIONAL BUILDINGS, 2 OF WHICH ARE UNDER CONSTRUCTION. NORTHERN AREA INCLUDES 3 U-SHAPED, 2 L-SHAPED, AND 2 OTHER BUILDINGS. EASTERN AREA IS FENCED ON 3 SIDES. TO THE NORTH AND EAST OF AIRFIELD ARE 14 LINEAR TRENCHES FOR PERSONNEL OR STORAGE, A FEW OF WHICH ARE COVERED. AIRCRAFT NONE OBSERVED. (SEE ALSO DETAILED REPORT ON THIS AREA.) (MAP REFERENCE WAC 432, AMS SERIES 1301, SHEET NI-44)			BE	NPIC
25X1D	CHUSHUL AREA, MILITARY STRONGPOINTS BETWEEN SPANGGUR TSO (LAKE) AND CHUSHUL AREA, AIRFIELD. NUMEROUS STRONGPOINTS INCLUDING TRENCHES WITH FIRING BAYS, PILL BOXES, MINE FIELD, OPEN STORAGE, BUILDINGS, AND FENCES. CONSIDERABLE TRACK ACTIVITY NOTED. (FOR COMPLETE DESCRIPTION, A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE AMS SERIES 1301, SHEET NI-44).	3334N Ø7847E	Ø432		21-E
25X1D	CHUSHUL MILITARY COMPLEX THIS COMPLEX INCLUDES 2 BARRACKS AREAS, NUMEROUS STORAGE BUILDINGS, THREE MOTOR POOLS, OPEN STORAGE, MANY SMALL SUPPORT BUILDINGS AND FIRING POSITIONS. (FOR A COMPLETE DESCRIPTION, A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE — AMS SERIES 13Ø1 SHEET NI-44)	3336N Ø7839E	Ø432		21-A
	5				

25X1 TOP SECRET Installation Numbers WAC Coordinates NPIC City, Installation BE 24: 3343N Ø7852E Ø432 PANGONG TSO (LAKE) MILITARY STRONGPOINTS NORTH AND SOUTH SHORES OF EASTERN HALF OF PANGONG TSO (LAKE). NUMEROUS STRONGPOINTS INCLUDE TRENCHES, FIRING BAYS, GUN POSITIONS, REVETTED STORAGE AND SEVERAL SUPPORT BUILDINGS. (FOR A COMPLETE DESCRIPTION. A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE -- AMS SERIES 1301, SHEET NI-44) 25X1D 21-F 3344N Ø7828E Ø432 CHUSHUL AREA, LANDING STRIP APPROXIMATELY 11 NM NW OF CHUSHUL ALONG THE EAST SIDE OF A STREAM. APPROXIMATELY 4,000 X 140 FT NW/SE NATURAL SURFACE LANDING STRIP IS SERVICEABLE. NO FACILITIES OBSERVED. AIRCRAFT -- ONE C-119 PARKED JUST OFF NW END OF STRIP. (SEE ALSO DETAILED REPORT ON THIS AREA.) (MAP REFERENCE -- AMS SERIES 1301. SHEET NI-44.) 25X1D 21-B Ø432 3359N Ø7823E CHUSHUL AREA. MILITARY ENCAMPMENTS 30 NM NW OF CHUSHUL. CAMP INCLUDES NUMEROUS TENTS, A 4-GUN POSITION (OCCUPANCY CANNOT BE DETERMINED), OPEN STORAGE, A FEW SMALL BUILDINGS AND A FEW VEHICLES. A SECOND CAMP 2 NM NW OF THE FIRST INCLUDES TENTS AND NUMEROUS TRUCKS. (FOR A COMPLETE DESCRIPTION, A DETAILED REPORT IS BEING PREPARED.) (MAP REFERENCE -- AMS SERIES 1301, SHEET NI-44.)

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City, Installation	Coordinates	WAC	Installati BE	on Numbers NPIC
5X1D		25X1 ♠		
LEH AIRFIELD 2 NM:SW OF LEH. AIRFIELD HAS A SINGLE NE/SW ASPHALT RUNWAY, APPROXIMATELY 5,500 X 150 FT, PROBABLY SERVICEABLE. UNIDENTIFIED SUPPORT FACILITIES ARE LOCATED ON WEST SIDE OF RUNWAY.	3409N 07734E			17
CHANG CHENMO MILITARY AREA AT TSOLU. A SMALL UNSECURED AREA IS ON SOUTH BANK OF CHANG CHENMO RIVER. A TRAIL IS VISIBLE ALONG SOUTH BANK OF RIVER. IN THE AREA ARE 2 SMALL TENTS, SEVERAL BUILDINGS AND A SMALL AMOUNT OF PROBABLE OPEN STORAGE. A POSSIBLE HELIPORT IS LOCATED JUST SOUTH OF THE AREA ON A SMALL YLATEAU.	3417N Ø7844E	0432		8
GALWAN RIVER, DEFENSIVE AREA GALWAN RIVER VALLEY APPROXIMATELY 25 NM SW OF SUMDO. THREE DEFENSIVE AREAS INCLUDING AUTOMATIC WEAPONS POSITIONS AND MANY TRENCHES WERE OBSERVED. MAIN AREA CONTAINS 26 LARGE AND 2 SMALL TENTS AND ONE PYRAMID TENT. A STRONG POINT CONSISTING OF 3 TRENCHES IS LOCATED APPROXIMATELY 5 NM WEST OF MAIN AREA ON THE SOUTH SIDE OF THE RIVER. A SECOND STRONG POINT IS LOCATED APPROXIMATELY 3 NM SOUTH OF MAIN AREA. (MAP REFERENCE AMS SERIES 13Ø1, SHEET NI-44,3RD ED FEB 53.)	344ØN Ø783ØE	Ø432		23

25X1

TOP SECRET Installation Numbers WAC Coordinates NPIC City, Installation BE 9-A 3516N Ø7848E Ø432 QIZIL JILGA-CHIPCHAP RIVER ROAD SINGLE LANE. NATURAL SURFACE ROAD CONSTRUCTED ALONG WESTERN EDGE OF QARA QASH (RIVER) AND OBSERVED FROM QIZIL JILGA TO CHIPCHAP RIVER. POLES SPACED AT INTERVALS ALONG BOTH SIDES OF THE ROAD MAY SERVE FOR LAND-LINE COMMUNICATIONS OR POWER. 25X1D -NEPAL-19 2643N Ø8556E Ø553 JANAKPUR-LALBHITTI, NEW ROAD U/C A NATURAL SURFACE ROAD IS UNDER CONSTRUCTION FROM TOWN OF JANAKPUR NORTH TO TOWN OF LALBHITTI (26-59N Ø85-56E). NO MAJOR BRIDGES OBSERVED. 25X1D 2643N Ø8556E Ø553 19-A JANAKPUR AREA, PROB RAILROAD U/C ROADBED FOR A RAILROAD EXTENDS FROM TOWN OF JANAKPUR TO A POINT 2 NM NW OF TOWN OF RAMNAGAR. SEVERAL BRIDGES OBSERVED. (MAP REFERENCE -- AMS U-502, SHEET NG 45-6, 1ST ED 2-62.) 25X1D 25X1A 18-A 2742N Ø8519E KATMANDU COMPLEX KATMANDU IS ABOUT 4 SQ MI IN AREA. AIRFIELD IS LOCATED 3 NM EAST OF KATMANDU. (MAP REFERENCE -- AMS SERIES U-502 SHEET N645-1, 1ST ED.) 25X1D

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	City, Installation	Coo	rdinates	WAC -		on Numbers
		 		-	BE	NPIC
- 1		j		25X1A		
	KATMANDU AIRFIELD	2742N	Ø8522E			1 18
	3 NM EAST OF KAIMANDU. NNW/SSE ASPHALT RUNWAY IS 3,600 X 150 FT AND			1		1 10
	SERVICEABLE. FACILITIES ARE LOCATED ON THE		•			ł
	ME21 SIDE OF AIRFIELD.			1 1		1
- 1	AIRCRAFT FOUR UNIDENTIFIED TRANSPORTS]]		
	(THREE OF WHICH ARE PROBABLE C-47 TYPE), TWO SMALL LIAISON, TWO HELICOPTERS.			1 1		l
(10)	OTALE ETATSON'S TWO HELICOPTERS.					
				1		
	-TIBET-]		
	GAR DZONG COMPLEX					
	THIS IS A SMALL TOWN SURROUNDED BY A WALL.	3212N	Ø7958E	Ø432		7
	NUKIHEKN SECTION APPEARS TO CONSIST OF					
	MILITARY BARRACKS AND SOUTHERN SECTION ADDEADS					
	10 CUNSIST OF NATIVE SETTLEMENT AND ALCO	Í		ĺ		
	CONTAINS A COMMUNICATIONS STATION. SEVERAL					
	GROUPS OF BUILDINGS ARE ALSO LOCATED OUTSIDE OF THE WALL. TWELVE NEW BUILDINGS HAVE BEEN		i	1		
16	ADDED ADDED HAVE BEEN					
Τ				25X1A		
	GAR DZONG ARMY BARRACKS					
	TOWN ENCIRCLED BY A WALL AND A DRY MOAT. ALONG	3212N	Ø7958E			7-
1	THE WALL ARE 17 GUARD TOWERS AND NUMEROUS					
1	FIKING BAYS. NORTHERN SECTION OF TOWN ADDEADS		1			
ΧÌΙ) IU CUNSIST UF MILITARY BARRACKS, TWO AA STEE					
(10	HAVE BEEN ABANDUNED					
` -	AT LEAST 16 VEHICLES ARE WITHIN WALL					
(10						

NPIC/R-43/63 25X1 TOP SECRET Installation Numbers WAC Coordinates NPIC BE City, Installation 7-B Ø7958E Ø432 3212N GAR DZONG-RUDOG ROAD IMPROVED, PROBABLE SINGLE-LANE, NATURAL SURFACE ROAD OBSERVED FROM RUDOG (33-27N Ø79-42E) TO GAR DZONG (32-12N Ø79-58E). NEW ALIGNMENT NOTED ON NE SIDE OF GARTANG RIVER WITH CUT AND FILL TO THE INDUS RIVER. OLD ROAD IS ON SW SIDE OF GARTANG RIVER. ROAD TO RUDOG TURNS EAST AND FOLLOWS THE SOUTH BANK OF THE INDUS RIVER TO APPROXIMATELY 32-29N Ø79-55E, WHERE IT CROSSES THE INDUS RIVER ON A 25X1D DECK-TYPE BRIDGE (OBLIQUITY PRECLUDES MEASUREMENT OF BRIDGE). POSSIBLE REST AND REFUELING POINTS ARE AT 25X1D 33-12N Ø79-49E 32-29N Ø79-55E ALL STREAMS, EXCEPT THE INDUS RIVER, AKE FORDED. FOUR VEHICLES WERE OBSERVED. NO ROAD NOTED FROM 32-48N Ø79-49E TO TASHIGONG. (MAP REFERENCE -- AMS SERIES 1301, SHEET NI-44.) 25X1D 7-C 3212N Ø7958E Ø432 GAR DZONG, COMMUNICATIONS STATION LOCATED IN THE SOUTHERN SECTION OF GAR DZONG. CONSISTS OF 4 TALL STICK MASTS AND TWO VEHICLES, PROBABLY ASSOCIATED WITH THE STATION. 25X1D 6-B 3232N Ø7938E Ø432 TASHIGONG, MILITARY STRONGPOINT Ø.5 MILES WEST OF TASHIGONG. STRONGPOINT INCLUDES A TRENCH SYSTEM ON A SMALL HILL, NUMEROUS FIRING POSITIONS, APPROXIMATELY 6 BUNKERS AND 5 OR 6 SMALL BUILDINGS. STRONGPOINT IS ROAD SERVED. ENCLOSED BY A WIRE FENCE, AND PARTIALLY

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City, Installation	Coordinates	WAC	Installat	ion Number
	Coordinates	WAC	BE	NP
ENCLOSED BY A TRENCH ALONG THE BASE OF THE HILL. (MAP REFERENCE AMS SERIES 1301 X1D SHEET NI-44.)	,			
		25X1A		
TASHIGONG COMPLEX SMALL VILLAGE AND WALLED MONASTERY. (1D	3232N Ø7941E			6
TASHIGONG - LEH ROAD SINGLE-LANE, NATURAL SURFACE ROAD OBSERVED FROM TASHIGONG TO 33-59N Ø78-11E, APPROXIMATELY 33 NM NW OF CHUSHUL. ROAD IS SERVICEABLE, SEVERAL VEHICLES NOTED. (MAP REFERENCE AMS SERIES 13Ø1 SHEET NI-44.)	3232N Ø7941E	Ø432		6
TASHIGONG AREA, MILITARY STRONGPOINT APPROXIMATELY 22 NM NNW OF TASHIGONG. MILITARY STRONG POINT AT THE BASE AND ALONG THE SIDE OF A STEEP HILL CONSISTS OF AT LEAST 4 UNOCCUPIED GUN POSITIONS, SEVERAL FOXHOLES, AND SEVEN BUILDINGS. A TRENCH AND A 4-GUN POSITION EXTEND ACROSS THE CREST OF THE HILL. (MAP REFERENCES WAC 432, AMS SERIES 1301, SHEET NI-44.)	3259N 07938E	Ø432		6-
DAMBU GURU AREA, PROBABLE MILITARY CAMP 28 NM NORTHEAST OF CHUSHUL. CAMP CONSISTS OF TWO LONG BARRACKS OR STORAGE BUILDINGS AND APPROXIMATELY NINE SMALL PROBABLE BUILDINGS. THE AREA IS PARTIALLY ENCLOSED BY A WALL. (MAP REFERENCE AMS SERIES 1301, SHEET	3358N Ø7855E	Ø432		25

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ſ	City, Installation	Coordinates	WAC	Installatio BE	n Numbers NPIC	
25X1D	NI-44, 3RD ED, FEB 53.)		25X1A	-		•
25X1D	RUDOG ARMY CAMP LOCATED JUST NORTH OF RUDOG. WALLED COMPOUND WITH 10 GUARD TOWERS CONTAINS BARRACKS-TYPE AND STORAGE BUILDINGS AT ITS CENTER AND A NUMBER OF SCATTERED, SMALL SHEDS. TWELVE VEHICLES ARE OBSERVED.	3327N Ø7942E			5	1
25X1D	RUDOG COMPLEX TOWN SITUATED ON A SHARPLY RISING HILL LOCATED 8 NM SW OF THE NYAK TSHO (LAKE). A LARGE MONASTERY LOCATED ON THE HILL TOP DOMINATES THE TOWN. THE RESIDENTIAL AREA IS AT THE BASE OF THE HILL ON THE EAST SLOPE.	3327N Ø7942E	Ø432		5-A	
25X1D	RUDOG-YARKAND ROAD NATURAL SURFACE, IMPROVED, SINGLE-LANE ROAD OBSERVED FROM RUDOG (33-27N Ø79-4ØE) TO LIMITS OF COVERAGE AT APPROXIMATELY (33-35N Ø8Ø-1ØE). AREA AT 33-4ØN Ø8Ø-2ØE CONTAINS ABOUT 3 BUILDINGS, TWO PARTIALLY WALLED AREAS CONTAINING 3 BUILDINGS EACH, AND A TRENCH ACROSS ROAD WITH LOOP BY-PASS.	3327N Ø7942E	Ø432		5-B	
	RUDOG-CHUSHUL ROAD IMPROVED, PROBABLE SINGLE-LANE, NATURAL SURFACE ROAD OBSERVED FROM RUDOG WEST TO 33-28N Ø79-27E AND FROM 33-22N Ø79-15E TO CHUSHUL. THE ROAD FOLLOWS THE SOUTH SHORE OF SPANGGUR TSO (LAKE) INSTEAD OF THE NORTH	3327N Ø7942E	Ø432		5-A	
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City, Installation	Coordinates	WAC	Installation Numbers	
City, installation	Coordinates	WAC.	BE	NPIC
SHORE (AS INDICATED ON AMS SERIES 1301 SHEET NI-44). EAST OF SPANGGUR TSO, THE ROAD RUNS SOUTHEAST, CLOSELY FOLLOWING A STREAM, PASSES NORTH OF SHALDAT TSHO THEN PASSES NORTHEAST TO RUDOG.	·			
NOH AREA, MILITARY ACTIVITY 2 NM SW OF NOH. TWO BUILDINGS, 6 TENTS AND 10 REVETMENTS ARE	3337N Ø795ØE	Ø432		16-A
ENCIRCLED BY A TRENCH. THREE OTHER BUILDINGS ARE OUTSIDE THE TRENCHED AREA. NO VEHICLES OBSERVED.				
GIRANG DZONG AREA, STRONGPOINT APPROXIMATELY 8 NM SE OF GIRANG DZONG ON THE TIBET-NEPAL BORDER AT APPROXIMATELY 28-19N Ø85-21E IS A STRONGPOINT CONSISTING OF 3 LARGE AND 4 SMALL BUILDINGS AND A TRENCH SYSTEM WITH 25X1D 25X1D	2819N Ø8521E	Ø438		13-A
TINGRI DZONG-KATMANDU ROAD ROAD OBSERVED IN NEPAL ONLY BETWEEN KATMANDU (27-42N Ø85-19E) AND THE TOWN OF CHAUTARA (27-46N Ø85-42E). A TOTAL OF 5 BRIDGES AND 4 PROBABLE VEHICLES WERE OBSERVED ALONG THE ROAD. NO NEW ROAD CONSTRUCTION WAS OBSERVED.	2835N Ø8638E	Ø438		4 - C
TRADUM-CHIU GOMPA ROAD A SECTION OF THE SAKYA GOMPA-GARTOK ROAD, THIS SINGLE-LANE, NATURAL SURFACE ROAD WAS OBSERVED FROM TRADUM TO CHIU GOMPA (30-46N 081-21E). ALL STREAMS ARE FORDED. NO VEHICLES OR	2937N Ø8412W	Ø438		7-8

	City, Installation	Coor	dinates	WAC	Installatio BE	n Numbers
ID	ACTIVITY OBSERVED.				DE.	NPIC
1D	TRADUM-NAMASHI ROAD A SINGLE-LANE NATURAL SURFACE ROAD OBSERVED FROM TRADUM SOUTH TO THE MOUNTAINS NEAR NAMASHI (29-20N 083-58E). STREAMS ARE FORDED. NO VEHICLES NOTED.	2938N	Ø8411E	Ø438		7-A
	DONGBO AREA, POSSIBLE OUTPOST 5.5 NM WNW OF DONGBO, SITUATED ON ROAD 1.5 NM OFF MAIN TRADUM-GARTOK ROAD. OUTPOST CONSISTS OF 2 BUILDINGS APPROXIMATELY 2Ø X 125 AND 2Ø X 2ØØ FT. TRENCHES ARE LOCATED ON SOUTHERN SIDE OF AREA. NUMEROUS CORRALS AND YAKS IN THE AREA.	2955N	Ø8334E	Ø439		5
D 	TAKLAKHAR-CHIU GOMPA ROAD SINGLE LANE, NATURAL SURFACE ROAD WAS OBSERVED. STREAMS ARE FORDED. ONE VEHICLE WAS OBSERVED ON ROAD. A PROBABLE STRONGPOINT ON A HILL ONE NM NORTH OF GARU CONSISTS OF A TRENCH LINE AT ITS MILITARY CREST (30-17N Ø81-10E).	3Ø15N	Ø811ØE	Ø439		2
1D	TAKLAKHAR ARMY BARRACKS GENERAL AREA IDENTIFICATION ONLY.	3Ø15N	Ø811ØE	25X1A		2 - A
	14		 		····	

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	City, Installation	City, Installation Coordinates		WAC	Installati	on Numbers
-	,,			"AC	BE	NPIC
	TOGCHHEN STRONGPOINT APPROXIMATELY ONE NM SE OF TOGCHHEN ALONG LHASA-GARTOK ROAD. TRENCHES AND 4 AUTOMATIC WEAPONS POSITIONS	3Ø43N	Ø8145E	Ø439		8
25X1D	ARE ON BLUFFS IMMEDIATELY BEHIND A SMALL BUILDING ON THE ROAD. A RIFLE RANGE IS NEXT TO THE ROAD. NO VEHICLES OR STORAGE OBSERVED.					
	CHIU GOMPA-GAR DZONG ROAD A SECTION OF THE TAKLAKHAR TO RUDOG HIGHWAY. SINGLE-LANE, NATURAL SURFACE ROAD OBSERVED BETWEEN CHIU GOMPA TO GAR DZONG (32-11N Ø79-59E) IS IN GOOD CONDITION. NO VEHICLES OR UNUSUAL ACTIVITY EVIDENT ALONG ROAD. THE SEGMENT OF THIS ROAD BETWEEN GARTOK AND GAR DZONG IS NEW AND IS ON THE NE SIDE OF THE GARTANG RIVER. THE OLD ROAD IS ON THE SW SIDE OF THE RIVER AND APPEARS SERVICEABLE.	3046N	Ø8121E	Ø439 		3-A
25X1D	PARYANG AREA, MILITARY INSTALLATION 7 NM SOUTH OF PARYANG AND 50 NM NW OF TRADUM. A SMALL WALLED AREA WITH GUARD TOWERS AT ALL FOUR CORNERS AND ENCIRCLED BY A PERSONNEL TRENCH WITH NUMEROUS FIRING BAYS. NINE LARGE TENTS ARE INSIDE WALLED AREA. NO VEHICLES OBSERVED. APPROXIMATELY 3 NM SOUTH OF THIS AREA ALONG THE RIVER ARE NUMEROUS TRENCHES WITH FIRING BAYS. A SINGLE-LANE DIRT ROAD CONNECTS THE TWO AREAS.	3000N	Ø832ØE	Ø439		6
25X1C						
	16				L	

3145N Ø8Ø22E		BE	NPIC
3145N Ø8Ø22E			
<u> </u>			1-A
	25X1A		
			,
		25X1A	25X1A

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APPENDIX

EXPLANATION OF COLUMN HEADINGS

AND PHOTO REFERENCES

<u>City</u>, <u>Installation</u>--This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. The city and installation names are followed by a capsule description, where appropriate.

<u>Coordinates</u>--Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

 $\underline{\text{WAC--}}$ This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Installation Numbers--The Installation Numbers column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second column lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since the installation numbers are repeated from WAC to WAC. For example, there is an NPIC target numbered 0438-1 and an NPIC target numbered 0439-1. In each instance, the NPIC installation number is 1, but the installations appear on different WACs.

The photo reference indicates frame(s) on which the target appears, and conditions which affect interpretation of the target.

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